Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A modular refrigeration system, comprising:

a refrigeration device having a space configured for storage of products therein;

a cooling system providing a coolant to a primary cooling element configured to provide cooling generally throughout ~~cool~~ the space;

at least one supplemental modular cooling element configured for placement at any one of a plurality of locations within the space and configured to receive the coolant to provide supplemental cooling at the location within the space so that a temperature distribution profile of the products within the space can be customized.

2. (Original) The modular refrigeration system of Claim 1 wherein the refrigeration device is a temperature controlled case.

3. (Original) The modular refrigeration system of Claim 1 wherein the coolant is a liquid coolant.

4. (Original) The modular refrigeration system of Claim 1 wherein the coolant is a direct expansion refrigerant.

5. (Original) The modular refrigeration system of Claim 1 wherein the refrigeration device comprises a main heat exchanger and the modular cooling element is configured to provide supplemental cooling at a predetermined location within the space.

6. (Original) The modular refrigeration system of Claim 1 further comprising a piping system interfacing with the cooling system and the modular cooling element and configured to circulate the coolant through the modular cooling element.

7. (Original) The modular refrigeration system of Claim 1 wherein the modular cooling element is portable and configured for interchangeable installation at one of the plurality of locations within the space.

8. (Original) The modular refrigeration system of Claim 1 wherein the modular cooling element is coupled to a shelf.

9. (Original) The modular refrigeration system of Claim 1 wherein the modular cooling element is coupled to an end panel.

10. (Original) The modular refrigeration system of Claim 1 further comprising a control system configured to regulate a flow of the coolant to the modular cooling element.

11. (Currently Amended) The modular refrigeration system of Claim 6 ~~1 wherein~~ further comprising quick disconnects coupled to the piping system to permit installation and removal of the modular cooling element ~~is positioned so that the temperature variation among the products is minimized~~.

12. (Currently Amended) A system for customizing a temperature distribution profile within a space of a temperature controlled case for storage and display of food products ~~refrigeration device~~, comprising:

a cooling system having a first heat exchanger in a substantially fixed location and a coolant configured to cool the space;

a second heat exchanger configured for selective placement at a desired location within the space ~~refrigeration device~~;

a piping system configured to interface with the cooling system and the second heat exchanger to provide a supply of coolant to the second heat exchanger; and

a control system configured to regulate a flow of coolant through the second heat exchanger.

13. Cancelled.

14. (Currently Amended) The system of Claim 12 ~~13~~ wherein the temperature controlled case is an existing temperature controlled case and the second heat exchanger is configured for placement as a retrofit application.

15. (Currently Amended) The system of Claim 12 ~~13~~ wherein the temperature controlled case is a new temperature controlled case and the second heat exchanger is configured for placement during construction of the new temperature controlled case.

16. (Original) The system of Claim 12 wherein the first heat exchanger is a main heat exchanger and the second heat exchanger is a modular cooling element.

17. (Original) The system of Claim 16 wherein the modular cooling element is removably coupled to a surface within the space.

18. (Original) The system of Claim 16 wherein the modular cooling element is configured for placement at a predetermined location within the space to provide a source of supplemental cooling.

19. (Original) The system of Claim 18 wherein the predetermined location is a shelf unit.

20. (Original) The system of Claim 18 wherein the predetermined location is an end panel.

21. (Original) The system of Claim 16 wherein the piping system includes at least one flow control device configured to regulate a flow of coolant to the modular cooling element.

22. (Original) The system of Claim 16 wherein the modular cooling element is a fin-coil type heat exchanger.

23. (Original) The system of Claim 12 wherein the piping system further comprises at least one quick disconnect device configured to interconnect the piping system and the second heat exchanger.

24. (Original) A temperature controlled case having a modular cooling system, comprising:

a cooling system providing a coolant and having a main cooling element in a substantially fixed location and configured to receive the coolant and provide cooling to a space within the temperature controlled case;

at least one supplemental cooling element configured to interface with the cooling system and to receive a supply of the coolant;

wherein the supplemental cooling element is configured to be selectively mounted at any one of a plurality of locations within the space so that a variation of a temperature range within the space can be substantially minimized.

25. (Original) The temperature controlled case of Claim 24 wherein the supplemental cooling element is configured to mount on a shelf unit.

26. (Original) The temperature controlled case of Claim 24 wherein the supplemental cooling element is configured to mount on a panel member.

27. (Original) The temperature controlled case of Claim 24 wherein the coolant is one of a liquid secondary coolant and a direct expansion refrigerant.

28. (Original) The temperature controlled case of Claim 24 wherein the supplemental cooling element is configured for interchangeable installation at a predetermined location.

29. (Original) The temperature controlled case of Claim 24 wherein the supplemental cooling element is configured to provide a localized source of cooling within the space.

30. (Original) The temperature controlled case of Claim 24 wherein the supplemental cooling element is configured as a substantially flat panel.

31. (Original) The temperature controlled case of Claim 24 wherein the supplemental cooling element has a cooling capacity sufficient to minimize a temperature variation within the space.

32. (Original) The temperature controlled case of Claim 24 wherein the supplemental cooling element is reconfigurable to accommodate changes to the temperature controlled case.

33. (Original) The temperature controlled case of Claim 24 further comprising a supplemental warming element configured to receive a warmed supply of the coolant.

34. (Original) A method of customizing a temperature distribution profile within a refrigeration device having a cooling system, comprising:

determining a temperature distribution profile within the refrigeration device provided by the cooling system;

identifying at least one location within the refrigeration device having a temperature above a desired temperature range;

providing a modular cooling element configured for installation at the location; and

interconnecting the modular cooling element with the cooling system.

35. (Original) The method of Claim 34 wherein the step of determining a temperature distribution profile comprises experimentation.

36. (Original) The method of Claim 34 wherein the modular cooling element is configured to provide localized cooling at the location.

37. (Original) The method of Claim 34 wherein the step of interconnecting the modular cooling element with the cooling system comprises providing a piping system having at least one connection device.

38. (Original) The method of Claim 37 wherein the piping system further comprises at least one flow control device.

39. (Original) The method of Claim 34 wherein the modular cooling element is configured for interchangeable installation at one or more locations.

40. (Original) The method of Claim 34 wherein the modular cooling element is portable.

41. (Original) The method of Claim 34 wherein the refrigeration device is a temperature controlled case.

42. (Original) The method of Claim 41 wherein the temperature controlled case is a new construction temperature controlled case.

43. (Original) The method of Claim 34 wherein the step of determining a temperature distribution profile comprises monitoring a temperature of a plurality of predetermined products intended for storage and display within the refrigeration device.